

## **LIQUID HARDENER 0202**

### **MSDS Number**

CGSXB

### **National Stock Number**

8030-00-229-8740

### **Product Name**

LIQUID HARDENER 0202

### **Manufacturer**

ITW DEVCON

### **Product Identification**

Product ID: LIQUID HARDENER 0202

MSDS Date: 03/20/1995

FSC: 8030

NIIN: 00-229-8740

MSDS Number: CGSXB

### **Responsible Party**

ITW DEVCON

30 ENDICOTT ST

DANVERS, MA 01923

US

Emergency Phone: 800-424-9300 (CHEMTREC)

Info Phone: 508-777-1100

Cage: 0RZG3

### **Contractor**

ITW DEVCON

DANVERS, MA 01923-3712

US

978-777-1100

Cage: 0RZG3

### **Ingredients**

(ORAL, RAT) 2500 MG/KG.

CAS: 112-24-3

RTECS: YE6650000

Fraction By Weight: 30-50%

OSHA PELN/K

ACGIH TLV: N/K

POLYAMIDE; (POLYAMIDE OF CL8 FATTY-ACID DIMERS AND TETA

CAS: 68082-29-1

Fraction By Weight: 50-65%

OSHA PELN/K

ACGIH TLV: N/K

PHENOL, NONYL-; (NONYLPHENOL)

CAS: 25154-52-3

RTECS: SM5600000

Fraction By Weight: 5-20%

OSHA PELN/K

ACGIH TLV: N/K

PIPERAZINE, 1-(2-AMINOETHYL)-; (AMINOETHYLPIPERAZINE)

CAS: 140-31-8

RTECS: TK8050000

Fraction By Weight: 1-15%

OSHA PELN/K

ACGIH TLV: N/K

0

RTECS: 9999999VO

## Hazards

LD50 LC50 Mixture:SEE INGREDIENTS.

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE: EYES:SEVERE IRRITANT.

SKIN:MODERATE IRRITANT. INHALATION: IRRITATION OF NOSE AND THROAT;

NAUSEA AND VOMITING IN SEVERE CASES. INGESTION: MAY CAUSE

IRRITATION OF MOUTH AND THROAT AND GASTROINTES TINAL TRACT.

CHRONIC: REPEATED SKIN CONTACT OR INHALATION OF FUMES CAN CAUSE

SENSITIZATION, WITH (EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT.

Effects of Overexposure:HEALTH HAZARD: ITCHING, RASHES OR SWELLING OF

SKIN OR AN ASTHMA-LIKE RESPIRATORY REACTION ON LATER EXPOSURE TO

PRODUCT. ING 1: SKIN AND EYE IRRITANT; RESPIRATORY IRRITANT;

SENSITIZER. ING 2: SEVERE EY E IRRITANT. INGS 3 AND 4: SKIN

IRRITANT. SEVERE EYE IRRITANT.

Medical Cond Aggravated by Exposure:ASTHMA, BRONCHITIS OR SKIN

IRRITATIONS.

## First Aid

First Aid:EYES: IMMED FLUSH W/CLEAN WATER FOR AT LST 15 MINS WHILE GENTLY HOLDING EYELIDS OPEN. GET MED HELP AS SOON AS POSS. SKIN: IMMED REMOVE CONTAM CLTHG & SHOES & WASH WELL W/SOAP & WARM WATER. SEE MD IF I RRIT DEVELOPS. INHAL: REMOVE PATIENT TOFRESH AIR. GIVE OXYGEN/ARTF RESP IF NEEDED. SEE MD IF SYMPS PERSIST. INGEST: DO NOT INDUCE VOMIT. DILUTE W/LOTS OF MILK/WATER & GET IMMEDIATE MEDICAL HELP.

## Fire Fighting

Flash Point Method:TCC

Flash Point:>200F,>93C

Extinguishing Media:WATER, CO\*2, DRY CHEMICAL.

Fire Fighting Procedures:USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT .

Unusual Fire/Explosion Hazard:NONE

## Accidental Release

Spill Release Procedures:PREVENT SKIN AND EYE CONTACT; REMOVE CONTAMINATED CLOTHING AND SHOES. ABSORB SPILL ON INERT MATERIAL SUCH AS VERMICULITE; SCRAPE UP AND TRANSFER TO IMPERVIOUS

CONTAINERS. SCRUB SPILL AREA W/STRONG DET ERGENT AND WATER.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

## Handling

Handling and Storage Precautions:STORE WELL-CLOSED IN A COOL, DRY PLACE. THIS PRODUCT HS BEEN TESTED FOR CORROSIVITY IN ACCORDANCE WITH DOT REGULATIONS AND IS NOT CORROSIVE.

Other Precautions:PROLONGED OR REPEATED OVEREXPOSURE MAY CAUSE SENSITIZATION AND ALLERGIC REACTIONS. THOSE SO AFFECTED SHOULD CONSULT MD AND AVOID FURTHER EXPOSURE TO THIS MATERIAL IF SENSITIZATION IS CONFIRMED.

## Exposure Controls

Respiratory Protection:NONE NEEDED IN NORMAL USE WITH PROPER VENTILATION. IN POORLY VENTILATED AREAS USE NIOSH APPROVED ORGANIC VAPOR RESPIRATOR.

Ventilation:GENERAL MECHANICAL VENTILATION IS ADEQUATE FOR OCCASIONAL USE. FOR PROLONGED OR REPEATED USE, LOCAL EXHAUST IS REC.

Protective Gloves:CHEM-RESIST RUBBER GLOVES(EX, NEOPRENE).

Eye Protection:ANSI APPROVED CHEM WORKERS GOGG(SUPDAT).

Other Protective Equipment:EYE WASH FOUNTAIN AND DELUGE SHOWER WHICH MEET ANSI DESIGN CRITERIA . OTHER PROT GEAR AS NEEDED TO PVNT SKIN CONT.

Work Hygienic Practices:REMOVE CONTAM CLTHG & LAUNDER THORO BEFORE USING. CONTAM LEATHER ARTICLES (SHOES, BELTS) CANNOT BE DECONTAM AND (SUPDAT)

Supplemental Safety and Health

PH (5% BY WT IN WATER): 10-11. PERCENT VOLATILE: 100 (WT). EYE PROTECTION: AND FULL LENGTH FACESHIELD . HYGIENE PRACTICE: SHOULD BE DESTROYED.

## Chemical Properties

Boiling Pt:B.P. Text:>450F,>232C

Vapor Pres:Vapor Density:>1

Spec Gravity:0.98

pH:SUPDAT

Evaporation Rate & Reference:Solubility in Water:30-60%

Appearance and Odor:CLEAR LIQUID W/MILD AMMONIA-LIKE ODOR.

Percent Volatiles by Volume:SUPDAT

## Stability

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS, ACIDS AND CHLORINATED ORGANIC COMPOUNDS.

Stability Condition to Avoid:EXTREME HEAT OR OPEN FLAME. HEAT IS RELS WHEN THIS PROD IS MIXED W/EPOXY RESINS; USE CARE WHEN MIXING LARGE QTYS.

Hazardous Decomposition Products:ACRID AND TOXIC FUMES WITH ORGANIC AMINES, AMMONIA, OXIDES OF CARBON AND NITROGEN.

## Disposal

Waste Disposal Methods:DISPOSAL MUST BE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS . KEEP OUT OF PUBLIC WATER SUPPLIES. INCINERATE IN APPROVED FACILITY WHERE PERMITTED BY STATE AND LOCAL REGULATIONS.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.